



ASA-1151

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

M. ASANO et al

Serial No. 10/650,851

Group Art Unit: 2171

Filed: August 29, 2003

For: STORAGE OPERATION MANAGEMENT PROGRAM AND  
METHOD AND A STORAGE MANAGEMENT COMPUTER

**INFORMATION DISCLOSURE STATEMENT (IDS)**  
**UNDER § 1.97 AND § 1.98**

Commissioner for Patents  
Mail Stop DD  
Alexandria, VA 22313-1450

November 12, 2004

Sir:

1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a Credit Card Payment Form in the amount of

\$180.00 to cover the petition fee, or if not see section 5 below).

2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed when needed (needed for U.S. and foreign patents, publication or portion thereof listed; no copy of a U.S. patent application is needed; a copy of a document is not needed when previously submitted or previously cited by the PTO in a parent application of the present application as set forth under 35 U.S.C. § 120).

4. The undersigned hereby states:

☐ (a) that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application, as indicated on the copy of the communication submitted herewith, which communication was dated not more than three months prior to the filing of this IDS; or

☐ (b) that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of this IDS.

5. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417. A duplicate of this sheet is attached.

6. No explanation of relevancy is being provided for the following document(s) because each is either in the English language, discussed in the present Specification, or its relevance is as stated in a communication from a foreign patent office in a counterpart foreign application.

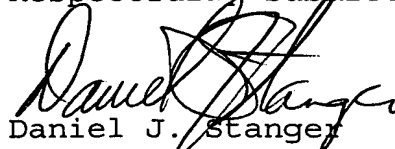
7. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that

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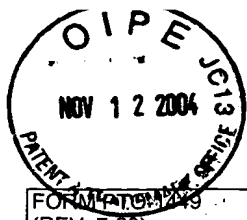
the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Daniel J. Stanger", is written over the typed name.

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Sheet 1 of 1

FORM PTO/SB/249 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. ASA-1151	SERIAL NO. 10/650,851
LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT M. ASANO et al	
		FILING DATE August 29, 2003	GROUP 2171

## U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	6,681,303	8/19/1999	Watanabe, et al.			
AB	2002/ 0099914	2/28/01	Matsunami, et al.			
AC	2003/ 0074528	1/10/02	Soejima, et al.			
AD	2003/ 0188114	3/26/02	Lubbers, et al.			
AE	2003/ 0204597	1/30/03	Arakawa, et al.			
AF	2003/ 0233518	11/27/02	Yamagami, et al.			
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL						<input type="checkbox"/>	<input type="checkbox"/>
	AM						<input type="checkbox"/>	<input type="checkbox"/>
	AN						<input type="checkbox"/>	<input type="checkbox"/>
	AO						<input type="checkbox"/>	<input type="checkbox"/>
	AP						<input type="checkbox"/>	<input type="checkbox"/>

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT		

EXAMINER

DATE CONSIDERED